

Converting Colors

Hex(CB0021)

Have a look what the booklet for
Hex(CB0021) contains.

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Color

Hex(CB0021)

Conversions

Conversions Part 1

Format	Color
Hex	CB0021
RGB	203, 0, 33
RGB Percent	80%, 0%, 13%
CMY	0.2039, 1.0000, 0.8706
CMYK	0.00, 1.00, 0.84, 0.20
HSL	350°, 100%, 40%
HSV	350°, 100%, 80%
XYZ	24.9031, 12.8063, 2.5982
YIQ	64.4590, 110.3950, 53.2990

Conversions

Conversions Part 2

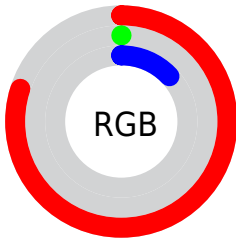
Format	Color
R_YB	203, 0, 33
Decimal	13303841
CIE Lab	42.47, 67.92, 43.23
CIE LCh	42, 80.510, 32.477
Yxy	12.8063, 0.6178, 0.3177
Android (android.graphics.Color)	4291493921 (0xFFCB0021)
YUV	64.4590, -15.5093, 121.5005
Hunter-Lab	35.7859, 61.5913, 20.7455

Details

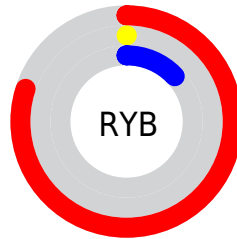
The Hex color **CB0021** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **00CBAA**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **FF554F**, and **8B0000** is the 20% darker color. If you saturate the color by 10%, you get **CB0021**, and if you desaturate by 10%, it is **CB1432**.

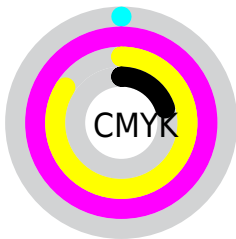
Distribution



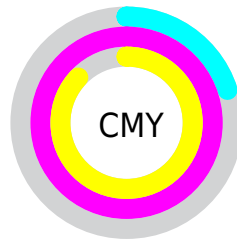
- Red (80%)
- Green (0%)
- Blue (13%)



- Red (80%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (84%)
- Black (20%)



- Cyan (20%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color CB0021 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color CB0021 by changing the saturation by 10% instead.

 CB0021

 CB0021

FFFFFF

 AB000C

 FF554F

 8B0000

 FF7367

 6B0000

 FF9080

 4D0003

 FFAD9B

 2F0002

 FFCBB6

 000000

 FFE8D1

 FFFFEE

 CB0021

 CB1432

 CB2943

 CB3D54

 CB5165

 CB6676

 CB7A87

 CB8E98

 CBA2A9

 CBB7BA

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



D20062



CB0021



A94600

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



CB0021



007B1F



006CEC

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



CB0021



00CBAA

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



007ADC



CB0021



007E68

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



CB0021



2C7400



007FAB



5E4FD6

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



CB0021



895C00



007FAB



0072EB

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



CB0021



FFB3BF



A900CB



805259



000000



808080

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



CB0021



FF0029



CB4400



665C5D



A6001B



260006

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



CB0021



FF0029



0087CB



665C5D



A6001B



260006

Previews

White Background



This preview shows how the Hex color CB0021 looks on a white background.

Color Contrast Check

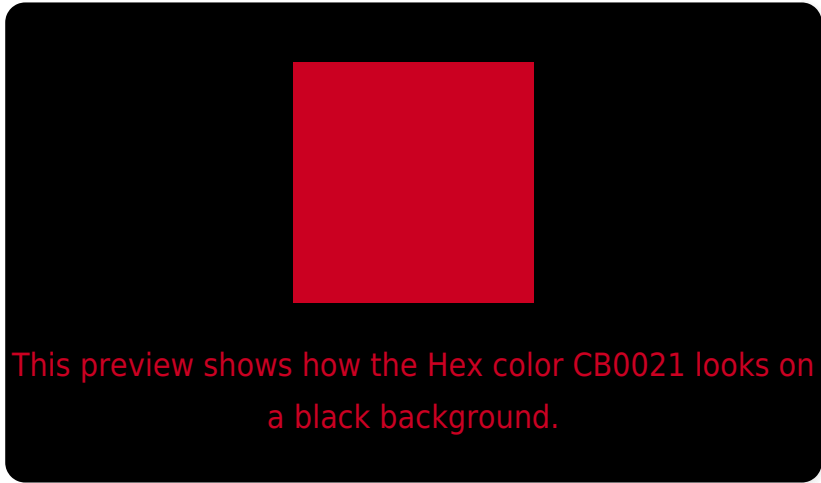
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Hex CB0021 Background



This preview shows how black text looks on a background with the Hex color CB0021.



This preview shows how white text looks on a background with the Hex color CB0021.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
CB0021

Protanopia
716735

Deuteranopia
826108

Trichromacy



Original Color
CB0021



Protanomaly
92422E



Deuteranomaly
9D3E11



Tritanomaly
CA0B0C

Monochromacy



Original Color
CB0021



Achromatopsia
404040



Achromatomaly
732935

CSS Examples

Text

The CSS property to change the color of the text to Hex CB0021 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #CB0021 looks like.

```
.text, #text, p{  
    color:#CB0021  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #CB0021 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CB0021
}
```

Border

The CSS property to change the border of an element to Hex CB0021 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

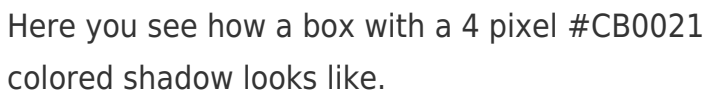
```
.border, #border, table{ border:4px solid
#CB0021 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#CB0021 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #CB0021 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CB0021; -webkit-box-shadow:4px 4px  
4px 4px #CB0021; box-shadow:4px 4px 4px  
4px #CB0021 }
```

Background

The CSS property to change the background color of an element to Hex CB0021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CB0021 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#CB0021 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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